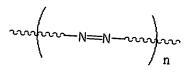
VPS-Series



1. Chemical structure



rangan unit

2. Characteristics:

The polymer segment is Polydimethyl siloxane, which will contribute the following characteristics to the resulting block copolymer: heat-resistance, water repellency, lubrication, mold releasing properties, bio-affinity, air-permeability.

3. Product list

Product	Molecular weight	Molecular	
VPS-0501	30,000 - 50,000	5.000	mole of azo group per 1g (*1)
VPS 1404		3,000	0.2 mmol/e (4/00)

 VPS-0501
 30,000 - 50,000
 5,000

 VPS-1**1**01
 70,000 - 90,000
 10,000

 0.2 mmol/g (1/30)

 0.1 mmol/g (1/60)

(1*): Comparison with AIBN (Molecular weight = 164g, mol of azo group per 1g AIBN is 6 mmol/g)

for sample, pamphlet, MSDS - click here

L Numb	er Hi 3309				
1	1 3309		ane or	DB	Time stamp
1	- 1	I POTACIANOS I LOVADA		USPAT;	1 2003 /04 /20 00 0
		or organopolysiloxane	Cr organosilox	ane US-PGPU	D; 1
		diorganopolysiloxane organosilicope	or organosiloxane	or EPO; JP	0:
	1	Organosiliana	or siloxane or	DERWENT	.,
-	2911	particle adj size		IBM_TDB	'
		Partitle adj size		TOM_LOB	
	1	1		USPAT;	2003/04/30 08:4
	ĺ	1		US-PGPUI	3;
	1			EPO; JPO);
_				DERWENT;	
_	90250	release		IBM TDB	
	1			USPAT;	000045
	ł	1			2003/04/29 11:28
		1		US-PGPUB	5; 1
	1	1		EPO; JPO);
-	45279			DERWENT;	
	45219	cure or curing or cura	tivo or	IBM TDB	
	ł	J Suru	cive or cured	USPAT;	2003/04/30 08:50
	1			US-PGPUB	. 2003/04/30 08:50
		1		EPO; JPO	<u>. </u>
	1	1		DEDWENE	<i>;</i>
-	4602	10:3:		DERWENT;	
	1002		ane or	IBM_TDB	
	}	I POT VOTUGUOSI I OPODO	•	USPAT;	2003/04/29 11:29
	1	polyorganosiloxane or or organopolysiloxane od diorganopolysiloxane od	or organosiloxan		' 1
	1	diorganopolysilovan	organosiloxane o	r EPO; JPO;	1
		organosilicone) and (pa	siloxane or	DERWENT;	
	1	and release 1	article adj size)		1
		and release and (cure curative or curad)	or curing or	IBM_TDB	1
	62027	curative or cured)	3 02		
	02027	surface adj roughness o	ir ra or "m - 1 "		
			12 Of f.sub.z"	USPAT;	2003/04/29 11:30
	1			US-PGPUB;	1 - 30 11:30
				EPO; JPO;	i
	1			DERWENT;	
	392	((silicons		TDM TDD	
		((silicone or polysilox	ane or .	IBM_TDB	
				USPAT;	2003/04/29 11:30
	1	or organopolysiloxane or diorganopolysiloxane or	r Organosil		1 22.30
		diorganopolysiloxane or organosilicone)	silona or		
1		organosilicone) and (na-	siloxane or	DERWENT;	-
		organosilicone) and (par and release and (cure or	cicle adj size)	IBM_TDB	
1		and release and (cure or curative or curad)	Curing or		1
					1
1	41067	roughness or rz or "r.su	b.z")	1	1
l		veight adj average adj m veight	olecular adi		1
		reight	auj	USPAT;	2003/04/29 11:31
1				US-PGPUB;	1
- 1				EPO; JPO;	1
1	1			DERWENT;	1
-	74	((silicone or polysiloxa	-	IBM_TDB	
		olvorganosilous	ane or	USPAT;	1 2222 /2
				UC DODG	2003/04/29 11:31
1	1.	r organopolysiloxane or iorganopolysiloxane or	organosilovano	US-PGPUB;	
1	1	iorganopolysiloxane or s	siloxane or	EPO; JPO;	
	1 '	rganosilicone) and (part nd release and (cure or	icle adi -:	DERWENT;	1
1	-	nd release and (cure or	Curing Size)	IBM_TDB	İ
1	1	rative or cured)	curing or		1
	1	oughness or race "	surface adj		
	ļ -	oughness or rz or "r.sub ij average adi molecular	.z")) and (weight		
	10 \	ij average adj molecular os adj 1001p or vos adj	adj weight)		1
	-0 0	os adj 1001n or vps adj	"1001" or		1
}	1 0	os-1001n or vps-1001	01	USPAT;	2003/04/30 08:52
1		-	1	US-PGPUB;	17 17 30 00:32
- 1	1		1	EPO; JPO;	İ
1	1		I	DERWENT;	
	291195 p	rticle adj size	1	IBM TDB	
1		size			_
1	1			USPAT;	2003/04/30 08:49
1	1		1	AD TREAD!	
	1		1.	EPO; JPO;	1
- 1	ł		↓.	DERWENT;	1
	1 (os adi 10015 as	1.	IBM TDB	ľ
1	Ur	os adj 1001n or vps adj	"1001" or	-	1
	"	s-1001n or vps-1001) and		USPĀT;	2003/04/30 08:49
ļ	51	.е)		JO-FGEOR;	
	,			2D0	Ī
	1		E	SPO; JPO; I	l
		_		EPO; JPO; DERWENT;	
			1	DERWENT; IBM TDB	

1	1	oll roughness	10000	
			USPAT; US-PGPU	2003/04/30 08:
			EPO; JPO	B;
1			DERWENT	2'
-	1	1 (Vps adi 1001p	IBM TDB	'
ļ	1	1 (vps adj 1001n or vps adj "1001" or vps-1001n or vps-1001) and roughness	USPAT;	2003/04/20 00
		and roughness	US-PGPUE	2003/04/30 08:4
1	1		EPO; JPC):
1			DERWENT;	•
_	3309	silicone or polysiloxane or	IBM TOR	į
		I POT VOLUMNOSI I OVERA A	USPAT;	2003/04/30 10:4
	1	or organopolysiloxane or organosiloxane diorganopolysiloxane or organosiloxane	ne US-PGPUB	; 1
	1	diorganopolysiloxane or organosiloxane or organosilicone		; }
_	45279		DERWENT;	1
	4527	cure or curing or curative or cured	IBM_TDB	
	1		USPAT;	2003/04/30 08:5
	ļ		US-PGPUB	;
	ļ		EPO; JPO;	:
-		8 (Vps add 1001-	DERWENT;	
			IBM TDB	
			USPĀT; US-PGPUB;	2003/04/30 10:43
		polysiloxane or polyorganosiloxane or polydiorganosiloxane or	EPO; JPO;	1
ĺ		polydiorganosiloxane or organopolysiloxane or organosiloxane or dispressional	DERWENT;	
		or organosiloxane or diorganopolysiloxane or siloxane or organopolysiloxane	IBM_TDB	1
		or siloxane or diorganopolysiloxane or siloxane or organosilicone) and (cure or curing or curative or cured)	1 2007 100	
-	-	vps adj 1001n or vps-1001n		
		- wy rooth of vps-1001n	USPAT;	2003/04/30 09:52
			US-PGPUB;	2003/04/30 09:52
			EPO; JPO;	1
	04.55		DERWENT;	
ŀ	317833	size near2 particle	IBM TDB	
			USPAT;	2003/04/30 09:52
			US-PGPUB;	1100,01,30 09:32
1			EPO; JPO;	1
1	40085		DERWENT;	1
	40065		IBM_TDB	
			USPAT;	2003/04/30 09:52
		or organopolysiloxane or polydiorganosiloxane or diorganopolysiloxane or organosiloxane or	US-PGPUB;	
1		diorganopolysiloxane or organosiloxane or organosilicone organosilicone	EPO; JPO;	1
	291195		DERWENT;	1
		(particle adj size) and (size near2 particle) particle)	IBM_TDB USPAT;	1 1
1		Parcicle)	US-PGPUB;	2003/04/30 09:53
1			EPO; JPO;	
			DERWENT;	
1	36	particle/ml	IBM_TDB	
I			USPAT;	2002/04/22
1			US-PGPUB;	2003/04/30 09:53
ļ	İ		EPO; JPO;	
			DERWENT;	
1	696	particles/ml	IBM TDB	
1			USPAT;	2003/04/30 10:20
1			US-PGPUB;	10:20
. 1			EPO; JPO;	
1	7.	1-11	DERWENT;	
1	75	(silicone or polysiloxane or	IBM_TDB	
1	1 .	901 VOLUMING1 100055	USPAT;	2003/04/30 09:53
1	'	or organopolysiloxane or organosiloxane or diorganopolysiloxane or organosiloxane or	OD FORUB;	, 55 07.55
1		diorganopolysiloxane or organosiloxane or organosilicone or organosilicone or organosilicone org	EPO; JPO;	
1			DERWENT;	
1	23	((silicone or polysiloxane or	IBM_TDB	
			USPAT;	2003/04/30 09:59
- 1		r organopolysiloxane or organosiloxane or organopolysiloxane or organosiloxane or	OD FGPUB;	
í	10	iorganopolysiloxane or organosiloxane or rganosilicone) and re	EPO; JPO;	1
		TOTAL OF STICKARD OF	D =	
	0	rganosilicone) and particles/ml) and particle adj size)	DERWENT; IBM_TDB	

				•
-	15		USPAT;	2003/04/30 10:18
		polyorganosiloxane or polydiorganosiloxane	US-PGPUB;	
		or organopolysiloxane or organosiloxane or diorganopolysiloxane or siloxane or		
		organosilicone) and particles/ml) and	DERWENT;	
		(particle adj size)) and silane	IBM_TDB	1
-	47816	foreign adj matter	USPAT;	2003/04/30 10:18
			US-PGPUB;	2003/04/30 10.18
j			EPO; JPO;	
			DERWENT;	
-	5	particles/ml and (females at	IBM_TDB	
		particles/ml and (foreign adj matter) and (silicone or polysiloxane or	USPAT;	2003/04/30 10:20
!		polyorganosiloxane or polydiorganosiloxane	US-PGPUB; EPO; JPO;	
		or organopolysiloxane or organosiloxane or	DERWENT;	
ļ		diorganopolysiloxane or siloxane or	IBM TDB	
i _	140576	organosilicone)	-	
-	140576	particle? near5 size	USPAT;	2003/04/30 10:20
		·	US-PGPUB;	
İ			EPO; JPO;	
			DERWENT;	
-	696	particles/ml	IBM_TDB USPAT;	2003/04/30 10:20
			US-PGPUB;	2003/04/30 10:20
			EPO; JPO;	ļ
1	1		DERWENT;	
-	40	(silicone or polysiloxane or	IBM_TDB	
		polyorganosiloxane or polydiorganosiloxane	USPAT;	2003/04/30 10:21
		or organopolysiloxane or organosiloxane or	US-PGPUB; EPO; JPO;	
		diorganopolysiloxane or siloxane or	DERWENT;	
		organosilicone) and (particle? near5	IBM TDB	
_	3376815	Size) and particles/ml	_	
	33/6815	("40" or (((silicone or polysiloxane or	USPAT;	2003/04/30 10:21
		polyorganosiloxane or polydiorganosiloxane or organopolysiloxane or organosiloxane or	US-PGPUB;	
		diorganopolysiloxane or siloxane or	EPO; JPO;	
		organosilicone) and particles/ml) and	DERWENT; IBM TDB	
		(particle adj size))) not (((silicone or	1011_100	
		polysiloxane or polyorganosiloxane or		
		polydiorganosiloxane or organopolysiloxane		
-		or organosiloxane or diorganopolysiloxane		
		or siloxane or organosilicone) and particles/ml) and (particle adj size))		
-	1	(((silicone or polysiloxane or	USPAT;	2003/04/30 10 01
		polyorganosiloxane or polydiorganosiloxane	US-PGPUB;	2003/04/30 10:21
		or organopolysiloxane or organosiloxane or	EPO; JPO;	
		diorganopolysiloxane or siloxane or	DERWENT;	
		organosilicone) and (particle? near5 size) and particles/ml) or (((silicone or	IBM_TDB	
		polysiloxane or polyorganosiloxane or		
		polydiorganosiloxane or organopolysiloxane		
		or organosiloxane or diorganopolysiloxane		
		or siloxane or organosilicone) and		
1		particles/ml) and (particle adj size)))		
		not (((silicone or polysiloxane or		
		polyorganosiloxane or polydiorganosiloxane or organopolysiloxane or organosiloxane or		_
	1 1	diorganopolysiloxane or siloxane or		
	1	organosilicone) and particles/ml) and		
_]	(particle adj size))		
-	4	((vps adj 1001n or vps adj "1001" or	USPAT;	2003/04/30 10:43
	[vps-1001n or vps-1001) and (silicone or	US-PGPUB;	
		polysiloxane or polyorganosiloxane or polydiorganosiloxane or organopolysiloxane	EPO; JPO;	
		or organosiloxane or diorganopolysiloxane	DERWENT; IBM TDB	
		or siloxane or organosilicone) and (cure	+DM - 10D	
		or curing or curative or cured)) and		
	L	particle		